

DESCRIPTION

AMC MODEL SW-2184-1AT IS AN ABSORPTIVE SPST SWITCH WITH INTEGRAL TTL DRIVER DESIGNED FOR HIGH ISOLATION, HIGH SPEED, AND LOW VIDEO TRANSIENT APPLICATIONS.

SPECIFICATIONS

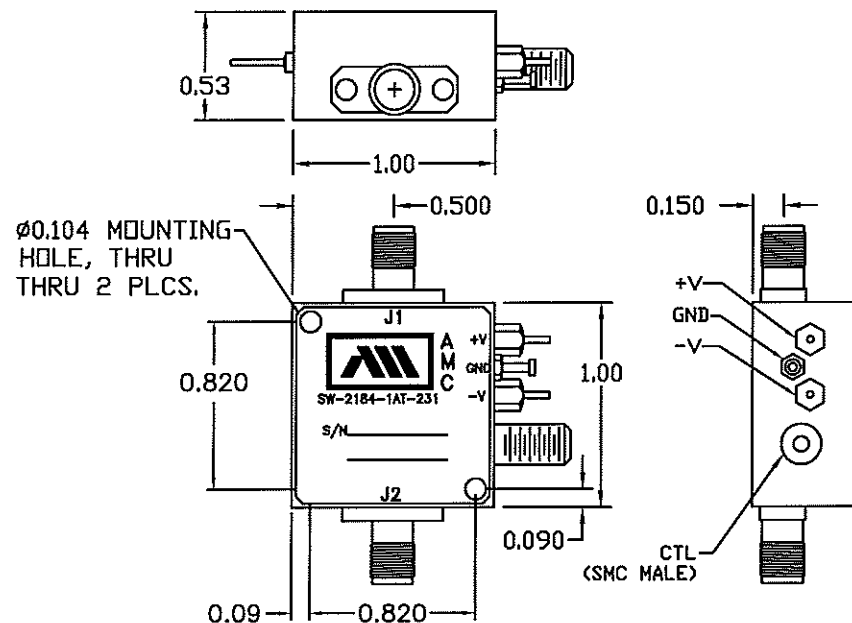
- FREQUENCY RANGE 2-18 GHz MINIMUM
- INSERTION LOSS 3.5 dB MAXIMUM
- ISOLATION 80 dB MINIMUM
- VSWR (ON/OFF) 2.0:1 MAXIMUM
- SWITCHING TIME
 - RISE (10% RF TO 90% RF) 10 nsec MAXIMUM
 - FALL (90% RF TO 10% RF) 10 nsec MAXIMUM
 - ON (50% TTL TO 90% RF) 30 nsec MAXIMUM
 - OFF (50% TTL TO 10% RF) 30 nsec MAXIMUM
- RF POWER RATINGS +27 dBm CW MAXIMUM
- IN-BAND VIDEO POWER/TRANSIENTS 50 mV (P-P) IN 100 MHz BW
- CONTROLS TTL COMPATIBLE, UNITY LOAD
LOGIC "0" = INSERTION LOSS
LOGIC "1" = ISOLATION
- POWER SUPPLY +5VDC $\pm 5\%$ @ 70 mA MAXIMUM
-5VDC $\pm 5\%$ @ 70 mA MAXIMUM
- CONNECTORS
 - RF INPUT/OUTPUT SMA FEMALE
 - POWER SOLDER PIN (EMI)
 - CONTROL SMC (MALE)
- SIZE 1.0" x 1.0" x 0.53"

AVAILABLE OPTIONS

- A01 50 Ω CONTROL IMPEDANCE
- A02 100 Ω CONTROL IMPEDANCE
- A03 INVERSE CONTROL LOGIC (LOGIC "0" ISOLATION)
- A13 ± 9 TO ± 15 VOLTS SUPPLY
- A14 J1 SMA MALE, J2 SMA FEMALE CONNECTORS
- A15 TWO SMA MALE CONNECTORS
- A18 SOLDER TYPE CONTROL TERMINAL

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE, NEW DEVELOPMENT	11/22/92	
	B	SEE ECR# 09-011	9/6/09	<i>AK</i>

MECHANICAL OUTLINE



NOTES:

- 1) DIMENSIONS ARE IN INCHES
- 2) TOLERANCES: X.XX ± 0.020
X.XXX ± 0.010
- 3) WEIGHT: APPROX. 1.5 OZ



AMERICAN MICROWAVE CORPORATION

7311G GROVE RD., FREDERICK, MD. 21701
TEL: (301) 662-4700 FAX: (301) 662-4938

APPROVALS	DATE
DRAWN <i>WSP</i>	11/22/92
CHECKED <i>AK</i>	9/2/09

PRODUCT FEATURE

SW-2184-1AT-231

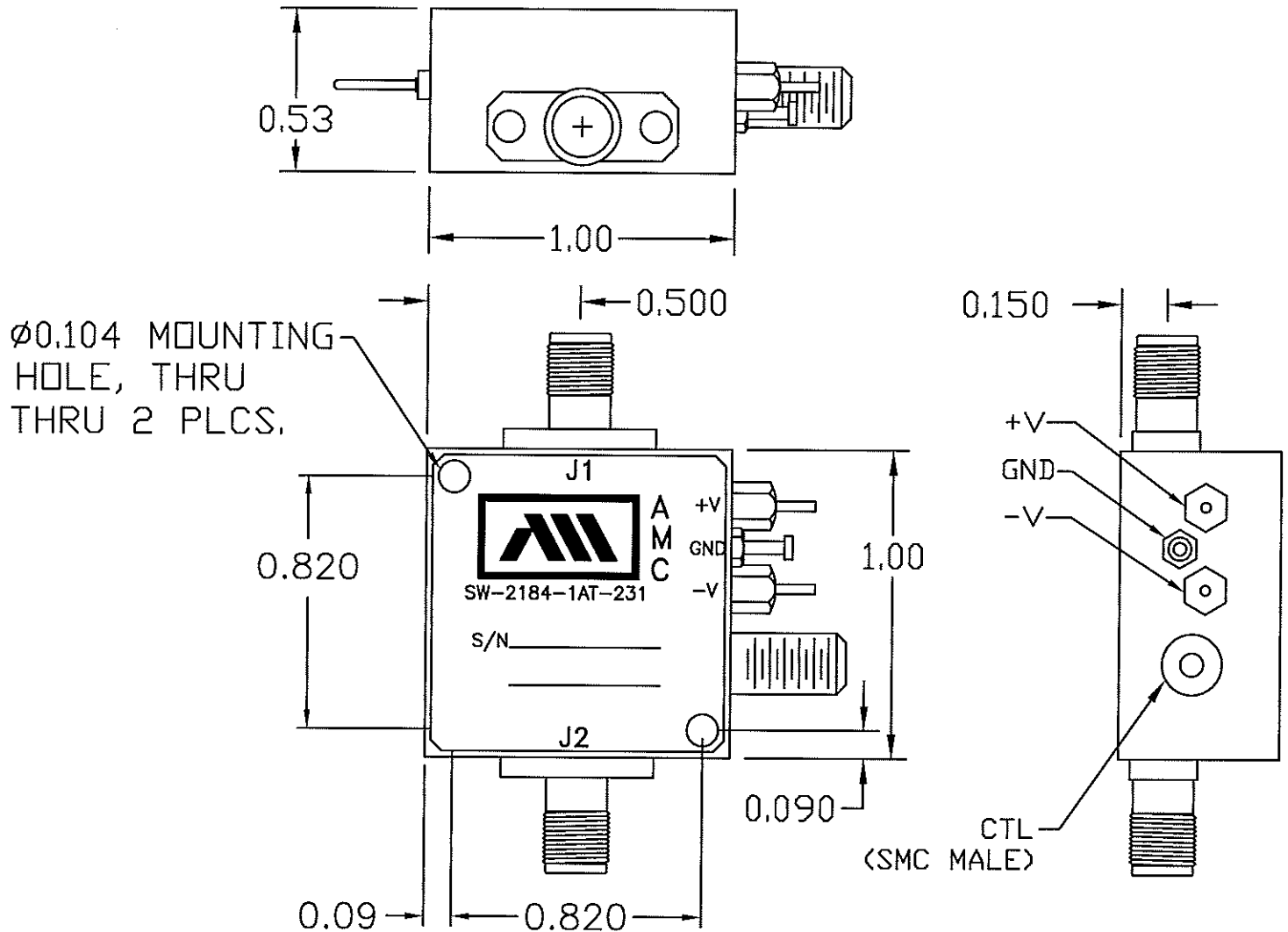
2-18 GHz, NON-REFLECTIVE SPST SWITCH/MODULATOR

SIZE A SHEET 1 OF 3 DWG. # 100-2871

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OUTLINE DRAWING

SW-2184-1AT-231

2-18 GHz, NON-REFLECTIVE SPST SWITCH/MODULATOR

SIZE A

SHEET 2 OF 3

DWG. # 100-2871